

WHAT I CLAIM IS:

1. An apparatus for engraving images which comprises;
 - a controller connected to a personal computer;
 - a base plate having a given thickness and a width, on which a Π -shaped driving stand having a pair of legs is rigidly mounted, said each leg having an opening provided through a central portion thereof;
 - a spindle being penetrated through the openings of said bearings with a pair of coil springs to extend horizontally and in parallel with the base plate to form a vibration-preventing unit, each coil spring being located between said leg and a pair of bearings mounted slidably on said spindle to reciprocate;
 - a second base plate integrally mounted on the top portion of each bearings;
 - a pair of driving and driven pulleys provided on a pair of blocks mounted on the second base plate;
 - a timing belt engaged on said pulleys;
 - an X-axis feeder provided on said timing belt and said Π -shaped rail;
 - an X-axis pulse motor driver and an X-axis pulse motor connected to said X-axis feeder;
 - a Y-axis driver connected to the controller;
 - a Y-axis pulse motor driver connected to the an X-axis pulse motor;
 - a Z-axis driver provided on a head base, which is a top portion of the Y-axis driver;
 - a Z-axis driver including a Z-axis head driver

and a Z-axis head;

a stylus provided at a lower portion of the Z-axis head;

a minute Δ Y-axis driver having a Y-axis head driver and a Δ Y-axis head connected to said stylus; and

a Y-axis driver comprising a tilt pulse motor driver and a tilt pulse motor disposed at a front portion of the Y-axis driver in such a manner that when an adaptor is tilted rearwards, an engraved media such as a passport P or an identification card ID can be easily placed on the adaptor.

2. An adaptor for use in an apparatus for engraving images as claimed in Claim 1, which comprises a rectangular table having a given thickness and width and being put on the feeder, said rectangular table having a positioning rectangular groove provided near an outer periphery of the said rectangular plane which is defined by the rectangular groove and dented slightly for about 0.1mm, a pair of small air openings provided through the adaptor to locate at the upper and lower grooves, an air hose being disposed at a backside of said table, one end portion of said air hose being put into the air opening from a backside and another end being connected to a vacuum pump in order to hold an identification through a negative pressure of air.

- ~~3. An adaptor for use in an apparatus for engraving~~

Sub
A2

Images on a passport as claimed in Claims 1 and 2, which comprises a rectangular table, a holding table and an inclined table which is rigidly secured to an one edge portion of the holding table and a lid plate which is pivotally secured to another edge portion of the inclined table, said holding table having a given thickness and width, said rectangular plane being defined by the rectangular groove and being dented slightly for about 0.1mm, a pair of small air openings being provided through the adaptor to locate at the upper and lower grooves, thus absorbing air from backside to hold the engraved passport P on the rectangular dent portion, a pair of positioning ridges being provided on a top and a side portions of the said holding table, a rectangular window being provided through the lid plate in order to correspond with the rectangular dent portion, a pair of clips being provided at both corner portions of the inclined table, and a pair of grips being mounted at both upper and lower portions of an outer edge portion of the lid plate so that the engraved passport may be correctly held between the holding table and the lid plate and smooth engraving can be easily carried out without causing vibration.

09050078-091201